

IN THE CLAIMS

1. (Original) A system for authorizing the operation of equipment comprising:
 - a motion sensor for sensing a movement of said equipment;
 - a processor connected to an output of said motion sensor for analyzing a movement of said equipment;
 - an energy source connected to said motion sensor and said processor, and
 - an operation enablement subsystem connected to said processor for enabling operation of said equipment in response to a signal from said processor.
2. (Original) The system of claim 1 wherein said motion sensing device comprises an accelerometer.
3. (Original) The system of claim 1 wherein said motion sensing device comprises a plurality of accelerometers.
4. (Original) The system of claim 2 wherein said accelerometer comprises a 3-axis accelerometer.
5. (Original) The system of claim 2 wherein said accelerometer comprises a 2-axis accelerometer.
6. (Original) The system of claim 2 wherein said accelerometer comprises a 1-axis accelerometer.
7. (Original) The system of claim 1 further comprising a dead-man switch for enabling and disabling operation of said system.
8. (Original) A system according to claim 7 wherein said dead-man switch comprises a pressure activated electrical switch.
9. (Original) A system according to claim 7 wherein said dead-man switch comprises a conductive sensor.

10. (Currently Amended) A system according to claim 1 wherein said equipment comprises a firearm. ~~[[Tim, should not there be a set of claims here adding firearms to claims 2 through 6?]]~~

11. (Original) The system of claim 10 wherein said motion sensing device comprises an accelerometer.

12. (Original) The system of claim 10 wherein said motion sensing device comprises a plurality of accelerometers.

13. (Original) The system of claim 11 wherein said accelerometer comprises a 3-axis accelerometer.

14. (Original) The system of claim 11 wherein said accelerometer comprises a 2-axis accelerometer.

15. (Original) The system of claim 11 wherein said accelerometer comprises a 1-axis accelerometer.

16. (Original) A system according to claim 10 wherein said motion sensor is mounted on a barrel of said firearm.

17. (Original) A system according to claim 10 wherein said motion sensor is located within a handle of said firearm.

18. (Original) A system according to claim 10 wherein said processor is located within a handle of said firearm.

19. (Original) A system according to claim 10 wherein said operation enablement system comprises an electronic firing system.

20. (Original) A system according to claim 9 further comprising a mechanical safety; wherein said energy source provides energy to said processor only when said mechanical safety is disengaged.

21. (Original) A system according to claim 9 further comprising a mechanical safety; wherein said energy source provides energy to said motion sensor only when said mechanical safety is disengaged.

22. (Original) A system according to claim 1 wherein said energy source comprises a battery.

23. (Original) A system for authorizing the operation of equipment comprising:

 a motion sensor for sensing a motion said equipment;

 a processor connected to an output of said motion sensor, said processor having an energy-conserving state and an active state;

 an energy supply subsystem connected to said motion sensor and said processor;

 an operation enablement subsystem;

 a dead-man switch; and

 means for deactivating said system;

 wherein, said energy supply subsystem periodically applies energy to said processor when said processor is in said energy-conserving state, and when said energy is applied said processor determines whether an activation sequence is beginning based upon a state of said dead-man switch and an output of said motion sensor.

24. (Original) A system according to claim 23 wherein upon a determination that an activation sequence is beginning, said processor establishes full power until said means for deactivating deactivates said system.

25. (Original) A system according to claim 1 further comprising an indicator for indicating to the operator that operation of the equipment has been authorized.

26. (Original) A system according to claim 25 wherein said indicator comprises a light.

27. (Original) A system according to claim 25 wherein said indicator comprises a means for causing a vibration of said equipment.

28. (Original) A method for authorizing use of a firearm comprising the steps of:

 sensing a movement of said firearm;

comparing said sensed movement with a stored movement;

authorizing use of said firearm based upon said comparison.

29. (Original) A method according to claim 29 further comprising the step of providing an indication to a user whether use of said firearm is authorized.